

What is claimed is:

- 1           1.     A lateral flow test strip assembly for testing urine, the assembly  
2 comprising:  
3           a support;  
4           a contact urinalysis pad coupled to the support, the contact urinalysis pad  
5                 comprising an absorbent carrier and a reagent composition adapted to  
6                 detect for one or more substances upon contact;  
7           a reagent-free absorbent strip coupled to the support, the absorbent strip being in  
8                 fluid communication with the contact urinalysis pad, the absorbent strip  
9                 adapted to receive the urine and to communicate the urine to the contact  
10                urinalysis pad.  
  
1           2.     The assembly of claim 1, further comprising means for preventing the  
2 urine from traveling beyond the contact urinalysis pad.  
  
1           3.     The assembly of claim 2, wherein the preventing means comprises a  
2 liquid impervious pad coupled to the support, the liquid impervious pad being disposed  
3 adjacent to the contact urinalysis pad and opposite from the absorbent strip.  
  
1           4.     The assembly of claim 3, wherein the preventing means further comprises  
2 a gap between the contact urinalysis pad and the liquid impervious pad.  
  
1           5.     The assembly of claim 1, wherein the absorbent strip is coupled to the  
2 contact urinalysis pad.

1           6.     The assembly of claim 5, wherein the absorbent strip overlaps a portion of  
2 the contact urinalysis pad.

1           7.     The assembly of claim 1, wherein the contact urinalysis pad comprises an  
2 adulteration pad.

1           8.     The assembly of claim 1, wherein the contact urinalysis pad comprises a  
2 bodily substance detection pad.

1           9.     A chemical test assembly adapted to test for the presence of multiple  
2 substances in a liquid sample, the assembly comprising:

3               a first backing;

4               a first contact detection pad coupled to the first backing, the first contact  
5               detection pad including a first absorbent carrier and a first reagent  
6               composition adapted to detect a first substance;

7               a first absorbent strip coupled to the first backing, the first absorbent strip in  
8               communication with the first contact detection pad;

9               a second absorbent strip in fluid communication with the first absorbent strip;

10              a second contact detection pad in communication with the second absorbent  
11              strip; and

12              a second backing disposed between the second contact detection pad and the  
13              first absorbent strip.

1           10.    The assembly of claim 9, further comprising a first liquid impervious pad  
2 coupled to the first backing and disposed adjacent to the first contact detection pad  
3 opposite to the first absorbent strip.

1           11.    The assembly of claim 10, wherein the first liquid impervious pad is  
2 spaced apart from the first contact detection pad.

1           12.    The assembly of claim 9, further comprising a second liquid impervious  
2 pad coupled to the second backing and disposed adjacent to the second contact  
3 detection pad opposite to the second absorbent strip.

1           13.    The assembly of claim 12, wherein the second liquid impervious pad is  
2 spaced apart from the second contact detection pad.

1           14.    The assembly of claim 9, wherein at least a portion of the first contact  
2 detection pad and at least a portion of the second contact detection pad are exposed.

1           15.    The assembly of claim 9, wherein:  
2 the second contact detection pad comprises a second absorbent carrier and a  
3 second reagent composition adapted to detect a second substance  
4 different from the first substance.

1 16. A chemical testing device comprising:  
2 a housing;  
3 a contact detection pad including a reagent composition adapted to detect one or  
4 more specific substances upon contact; and  
5 a reagent-free absorbent strip in communication with the contact detection pad.

1 17. The device of claim 16, wherein the housing includes means for viewing at  
2 least a portion of the contact detection pad.

1 18. The device of claim 16, wherein the housing comprises a cassette.

1 19. The device of claim 18, wherein the housing comprises an aperture open  
2 to at least a portion of the absorbent strip.

1 20. The device of claim 16, wherein the housing comprises a lid adapted to be  
2 coupled to a vessel.

1 21. The device of claim 20, further comprising means for introducing a liquid  
2 sample in the vessel to the absorbent strip.

1 22. The device of claim 20, wherein the lid is removable.

1 23. The device of claim 16, wherein the contact detection pad comprises a  
2 contact urinalysis pad.

1           24.    The device of claim 16, further comprising a lateral flow immunoassay  
2 strip disposed substantially within the housing.

1           25.    A lateral flow assembly for detecting a substance in a liquid sample, the  
2 assembly comprising:

3           a support;

4           a contact detection pad coupled to the support, the contact detection pad

5                 comprising an absorbent carrier and a reagent composition adapted to

6                 detect for one or more substances upon contact;

7           a reagent-free absorbent strip coupled to the support, the absorbent strip being in

8                 fluid communication with the contact detection pad, the absorbent strip

9                 adapted to receive the liquid sample and to communicate the liquid

10                sample to contact detection pad.

1           26.    The assembly of claim 25, wherein the contact detection pad comprises a  
2 contact urinalysis pad.

1           27.    The assembly of claim 26, wherein the contact urinalysis pad comprises a  
2 bodily substance detection pad.

1           28.    The assembly of claim 26, wherein the contact urinalysis pad comprises  
2 an adulteration pad.

1 29. A method for performing urinalysis, comprising:  
2 receiving the urine with a reagent-free absorbent strip;  
3 providing an urinalysis pad with a reagent composition dispersed therein and  
4 adapted to detect a target substance upon contact;  
5 laterally flowing the urine to the urinalysis pad with the absorbent strip; and  
6 providing a detectable response as a result of detection of the target substance.

1 30. The method of claim 29, further comprising assaying for an antigen with a  
2 lateral flow immunoassay strip.

1 31. The method of claim 29, further comprising preventing the urine from  
2 traveling beyond the urinalysis pad.

1 32. A method for manufacturing a combined drug testing and adulteration  
2 testing device, the method comprising:  
3 providing a housing;  
4 disposing a drug test strip in the housing;  
5 disposing in the housing a reagent-free absorbent strip in communication with a  
6 contact detection pad; and  
7 preventing fluid communication between the drug test strip, on the one hand, and  
8 the absorbent strip and the contact detection pad, on the other hand.

1            33.    The method of claim 32, further comprising providing a stop to prevent a  
2 liquid sample absorbed in the adulteration pad from traveling beyond the contact  
3 detection pad.

1            34.    The method of claim 32, wherein providing a housing comprises forming  
2 apertures open to the drug test strip and the absorbent strip.